

Rabbit MMP11 Polyclonal Antibody | anti-MMP11 antibody

Anti-MMP11 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46751	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

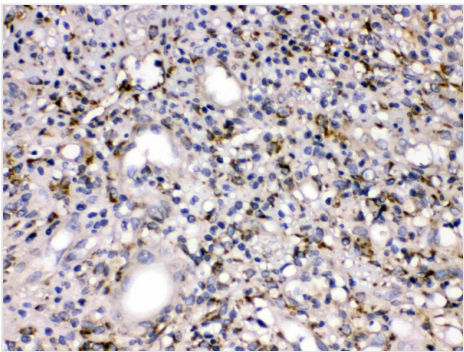
PRODUCT SYNONYMS

MMP11; Polyclonal Antibody; Anti-MMP11 Antibody; MMP-11; Mmp11; SL 3; SL-3; SL3; ST3; STMY3; Stromelysin 3; Stromelysin III; Stromelysin-3; P24347; matrix metallopeptidase 11; anti-MMP11 antibody

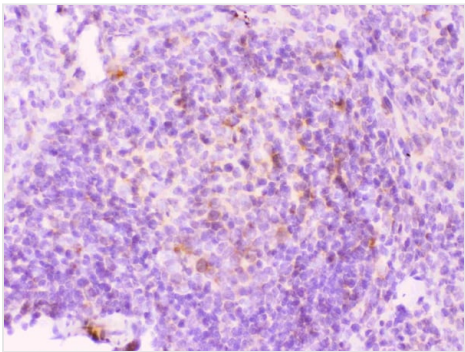
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	488
Applicable Applications for anti-MMP11 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MMP11 (104-135aa RWEKTDLTyrILRFWQLVQEVRQTMAEALK), different from the related mouse and rat sequences by three amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

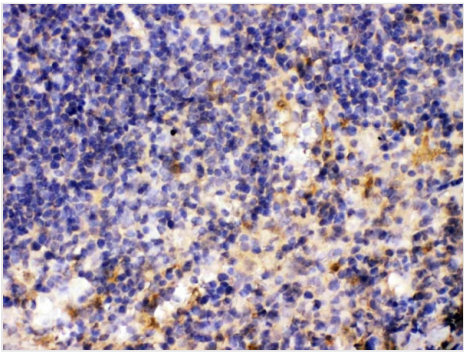
IMAGES



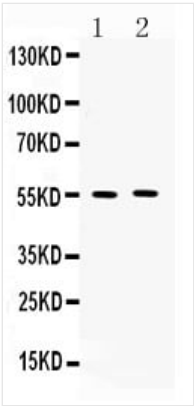
IHC (Immunohistochemistry)
MMP11 was detected in paraffin-embedded sections of human appendicitis tissues using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
MMP11 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
MMP11 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of MMP11 expression in rat spleen extract (lane 1) and MM231 whole cell lysates (lane 2). MMP11 at 55KD was detected using rabbit anti- MMP11 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP11 antibody	Rabbit IgG polyclonal antibody for Stromelysin-3(MMP11) detection. Background: Stromelysin-3 (SL-3) also known as matrix metalloproteinase-11 (MMP-11) is an enzyme that in humans is encoded by the MMP11 gene. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMP's, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix.
References	1. "Entrez Gene: MMP11 matrix metalloproteinase 11 (stromelysin 3)". 2. Anglard P, Melot T, Guerin E, Thomas G, Basset P (Oct 1995). "Structure and promoter characterization of the human stromelysin-3 gene". J Biol Chem. 270 (35): 20337-44. 3. Levy A, Zucman J, Delattre O, Mattei MG, Rio MC, Basset P (Aug 1992). "Assignment of the human stromelysin 3 (STMY3) gene to the q11.2 region of chromosome 22". Genomics. 13 (3): 881-3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58331148
NCBI GeneID	4320
NCBI Accession #	NP_005931.2

NCBI GenBank Nucleotide #	NM_005940.4
UniProt Accession #	P24347 ; Q5FX24 ; Q6PEZ6 ; Q9UC26
Molecular Weight	54,590 Da
NCBI Official Full Name	stromelysin-3 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 11
NCBI Official Symbol	MMP11
NCBI Official Synonym Symbols	ST3; SL-3; STMY3
NCBI Protein Information	stromelysin-3
UniProt Protein Name	Stromelysin-3
UniProt Gene Name	MMP11
UniProt Synonym Gene Names	STMY3; SL-3; ST3; MMP-11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mmp11-antibody-immunohistochemistry-western-blot-elisa/46751>